

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

September 26, 2011

PROJECT: 34608.2.3

COUNTIES: Beaufort, Carteret, Craven, Greene, Jones, Lenoir, Pamlico, Pitt

ROUTE: Various

DESCRIPTION: Division-wide Installation of Permanent Raised Pavement Markers and

Snowplowable Pavement Markers

ADDENDUM NUMBER 1

TO: Prospective Bidders

Please note the following revisions to the contract proposal for the above-referenced project.

- The bid opening date and time have been changed to **October 25, 2011 at 11:00 AM.** Replace the Cover Sheet, Page 2, and the Bid Form with the ones attached.
- One Page 3 a revision was made to the contract completion date. The new date will be one year from the date of availability. Replace Page 3 with the one attached.
- Insert Page 20A, incorporating updated Work Zone Traffic Control requirements.
- The Execution of Bid forms have been revised, replacing the previous version.
- Standard Drawings for Temporary Lane Closures for Moving Operation Caravan are added.

The remainder of the proposal document is unaffected. If you should have any questions concerning this addendum, please call me at (252) 695-2044.

Sincerely,

Aaron Bullard, PE

Division Contract Officer

Attachments

cc: Mr. Steve Hamilton, PE

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



DIVISION 2

CONTRACT PROPOSAL

WBS ELEMENT: 34608.2.3 ROUTE: Various

COUNTIES: Beaufort, Carteret, Craven, Greene, Jones, Lenoir,

Pamlico, Pitt

DESCRIPTION: Division-wide Installation of Permanent Raised

Pavement Markers and Snowplowable Pavement

Markers

BID OPENING: Tuesday, October 25, 2011 @ 11:00 AM

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD OR SBE PROJECT. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA.

NAME OF BIDDER

N.C. CONTRACTOR'S LICENSE NUMBER

ADDRESS OF BIDDER

RETURN BIDS TO:

N. C. DEPARTMENT OF TRANSPORTATION Attn: Aaron Bullard, PE 105 Pactolus Highway P O Box 1587 Greenville, NC 27835-1587

Per items 11 - 13 of the instructions on page 2

INSTRUCTIONS TO BIDDERS

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE PREPARING AND SUBMITTING YOUR BID.

All bids shall be prepared and submitted in accordance with the following requirements. Failure to comply with any requirement shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.

- The bid sheet furnished by NCDOT with the proposal shall be used and shall not be altered in any manner. DO NOT SEPARATE THE BID SHEET FROM THE PROPOSAL!
- 2. All entries on the bid sheet, including signatures, shall be written in ink.
- 3. The Bidder shall submit a unit price for every item on the bid form. The unit prices for the various contract items shall be written in figures. Unit prices shall be limited to two (2) decimal places.
- 4. An amount bid shall be entered on the bid sheet for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount Bid" column of the sheet
- 5. The total amount bid shall be written in figures in the proper place on the bid sheet. The total amount shall be determined by adding the amounts bid for each item.
- 6. Changes in any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink.
- 7. The bid shall be properly executed. All bids shall show the following information:
 - a. Name of individual, firm, corporation, partnership, or joint venture submitting bid.
 - b. Name and signature of individual or representative submitting bid and position or title.
 - c. Name, signature, and position or title of witness.
 - d. Federal Identification Number (or Social Security Number of Individual)
 - e. Contractor's License Number (if Applicable)
- **8.** Bids submitted by corporations shall bear the seal of the corporation.
- **9.** The bid shall not contain any unauthorized additions, deletions, or conditional bids.
- 10. The bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- 11. THE PROPOSAL WITH THE BID SHEET STILL ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL HAVE BEEN DELIVERED TO AND RECEIVED IN THE DIVISION TWO ENGINEER'S OFFICE AT 105 PACTOLUS HIGHWAY, GREENVILLE, NC 27834 BY 11:00 AM ON OCTOBER 25, 2011.
- **12.** The sealed bid must display the following statement on the front of the sealed envelope:

ATTN: AARON BULLARD, PE QUOTATION FOR DIVISION-WIDE INSTALLATION OF PAVEMENT MARKERS TO BE OPENED AT 11:00 AM ON OCTOBER 25, 2011

13. If delivered by mail, the sealed envelope shall be placed in another sealed envelope and the outer envelope shall be addressed as follows:

NC DEPARTMENT OF TRANSPORTATION ATTN: AARON BULLARD, PE PO BOX 1587 GREENVILLE, NC 27835-1587

AWARD OF CONTRACT

The award of the contract, if it be awarded, will be made to the lowest responsible Bidder. The lowest responsible will be notified that his bid has been accepted and that he has been awarded the contract. NCDOT reserves the right to reject all bids.

<u>DIVISION CONTRACT</u> PROJECT SPECIAL PROVISIONS - GENERAL

DESCRIPTION:

This contract is for the installation of new permanent raised pavement markers and snowplowable pavement markers in Division Two, consisting of Beaufort, Carteret, Craven, Greene, Jones, Lenoir, Pamlico, and Pitt Counties. Specific work requests will be submitted to the contractor during the life of this contract. Efforts will be made to keep each request at a reasonable size and geographic area.

All work and materials shall be in accordance with the provisions of the General Guidelines of this contract, the Project Special Provisions, the North Carolina Department of Transportation *Standard Specifications for Roads and Structures, July 2006*, the North Carolina Department of Transportation *Roadway Standard Drawings, July 2006*, and the current edition of the *Manual of Uniform Traffic Control Devices* (MUTCD).

The Contractor shall keep himself fully informed of all Federal, State, and Local laws, ordinances, and regulations, and shall comply with the provisions of Section 107 of the 2006 Standard Specifications.

CONTRACT TIME AND LIQUIDATED DAMAGES:

(7-1-95)(Rev. 12-18-07)

SP1G10

The date of availability for this contract is **the date the Purchase Order is issued** (approximately 2 weeks following the bid opening).

The completion date for this contract is **one** (1) **year from the date of availability**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Five Hundred Dollars** (\$ 500.00) per calendar day.

PROSECUTION OF WORK AND LIQUIDATED DAMAGES:

The Contractor will be required to prosecute the work in a continuous and uninterrupted manner from the time he begins the work on each work request until completion and acceptance on that request. The Contractor will not be permitted to suspend his operations except for reasons beyond his control or except where the Engineer has authorized a suspension of the Contractor's operations in writing.

The Contractor must begin work within twenty (20) days of each work order request. The Contractor must complete all work in that request within the allotted time. The allotted time (days) for each work request will be determined by the number of markers to be installed divided by 600 + 20 days {(I/600) +20}.

Liquidated damages of **Two Hundred Fifty Dollars** (\$250.00) per calendar day will be charged for each calendar day after the Allotted Time that any part of the work required by the State has not been completed.

WORK ZONE TRAFFIC CONTROL:

(8-16-11) SP11 R20

Revise the 2006 Standard Specifications as follows:

Page 11-3, Article 1101-12 Traffic Control Supervision, in addition to the stated requirements, add the following:

Provide the service of at least one qualified Work Zone Supervisor. The Work Zone Supervisor shall have the overall responsibility for the proper implementation of the traffic management plan, as well as ensuring all employees working inside the NCDOT Right of Way have received the proper training appropriate to the job decisions each individual is required to make.

The work zone supervisor is not required to be on site at all times but must be available to address concerns of the Engineer. The name and contact information of the work zone supervisor shall be provided to the Engineer prior to or at the preconstruction conference.

Qualification of Work Zone Supervisors shall be done by an NCDOT approved training agency or other approved training provider. For a complete listing of these, see the Work Zone Traffic Control's webpage, http://www.ncdot.gov/doh/preconstruct/wztc/.

Page 11-13, Article 1150-3 Construction Methods, replace the article with the following:

Provide the service of properly equipped and qualified flaggers (see *Roadway Standard Drawings* No. 1150.01) at locations and times for such period as necessary for the control and protection of vehicular and pedestrian traffic. Anyone who controls traffic is required to be qualified. Qualification consists of each flagger receiving proper training in the set-up and techniques of safely and competently performing a flagging operation. Qualification of flaggers is to be done at an NCDOT approved training agency. For a complete listing of these, see the Work Zone Traffic Control's webpage, http://www.ncdot.gov/doh/preconstruct/wztc/.

Prior to beginning work on the project, a Qualification Statement that all flaggers used on the project have been properly trained through an NCDOT approved training resource shall be provided to the Engineer.

Flagging operations are not allowed for the convenience of the Contractor's operations. However, if safety issues exist (i.e. sight or stopping sight distance), the Engineer may approve the use of flagging operations. Use flagging methods that comply with the guidelines in the MUTCD.

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CORPORATION

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S.* § 133-24 within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

	Full name	e of Corpora	ation
	Address	as Prequali	fied
Attest	sistant Secretary	_ By _	President/Vice President/Assistant Vice President
	sistant Secretary propriate title		President/Vice President/Assistant Vice President Select appropriate title
Print or type	e Signer's name		Print or type Signer's name
			CORPORATE SEAL
	AFFIDAVIT MU	ST BE	NOTARIZED
Subscribed and sworn	to before me this the		
day of	20		
			NOTARY SEAL
Signature of	f Notary Public		
of	County		
State of			
My Commission Expir	res:		

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PARTNERSHIP

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S. § 133-24* within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

Į.	full Name of Partners	hip
	Address as Prequalifi	ed
	Rv	
Signature of Witness		Signature of Partner
Print or type Signer's name		Print or type Signer's name
AFFIDAVI	IT MUST BE N	NOTARIZED
		NOTARY SEAL
AFFIDAVI Subscribed and sworn to before me this day of	the	
Subscribed and sworn to before me this day of	the	
Subscribed and sworn to before me this	the	
Subscribed and sworn to before me this day of	the	
Subscribed and sworn to before me this day of Signature of Notary Public	theounty	

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County	

LIMITED LIABILITY COMPANY

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S.* § 133-24 within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

	Full Name	of Firm
	Address as Pr	equalified
Signature of Witn	ess	Signature of Member/Manager/Authorized Agent Select appropriate title
		seiter appropriate titte
Print or type Signer's	name	Print or type Signer's Name
Print or type Signer's	name	Print or type Signer's Name
	name AFFIDAVIT MUST	
	AFFIDAVIT MUST	
A Subscribed and sworn to before	AFFIDAVIT MUST ore me this the	BE NOTARIZED
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EXECUTION OF BID NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN CERTIFICATION JOINT VENTURE (2) or (3)

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating N.C.G.S. § 133-24 within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

SIGNATURE OF CONTRACTOR

Instructions: **2 Joint Venturers** Fill in lines (1), (2) and (3) and execute. **3 Joint Venturers** Fill in lines (1), (2), (3) and (4) and execute. On Line (1), fill in the name of the Joint Venture Company. On Line (2), fill in the name of one of the joint venturers and execute below in the appropriate manner. On Line (3), print or type the name of the other joint venturer and execute below in the appropriate manner. On Line (4), fill in the name of the third joint venturer, if applicable and execute below in the appropriate manner.

(1)			
(2)		Name of Joint Venture	
· /		Name of Contractor	
		Address as Prequalified	
	Signature of Witness or Attest	Ву	Signature of Contractor
	Print or type Signer's name		Print or type Signer's name
	If Corporation, affix Corporate Seal	and	
(3)			
		Name of Contractor	
		Address as Prequalified	
	Signature of Witness or Attest	Ву	Signature of Contractor
	Print or type Signer's name		Print or type Signer's name
	If Corporation, affix Corporate Seal	and	
(4)		Name of Contractor (for 3 Joint Ventu	re only)
		Address as Prequalified	
	Signature of Witness or Attest	By	Signature of Contractor
	Print or type Signer's name		Print or type Signer's name
	If Corporation, affix Corporate Seal		
ARY SEA		NOTARYSEAL	NOTAR
ribed an	t be notarized for Line (2) and sworn to before me this20	Affidavit must be notarized for Line (Subscribed and sworn to before me tlday of	,
	Notary Public	Signature of Notary Public	Signature of Notary Public
of	County	of State of	County ofCou
	ion Expires:	My Commission Expires:	My Commission Expires:

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INDIVIDUAL DOING BUSINESS UNDER A FIRM NAME

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S.* § 133-24 within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

Name of Contractor	
	Individual name
Γrading and doing business as	
	Full name of Firm
Address as Preq	malified
, iddiess as Tree	and the second s
Signature of Witness	Signature of Contractor, Individually
Print or type Signer's name	Print or type Signer's name
AFFIDAVIT MUST B	E NOTARIZED
subscribed and sworn to before me this the	NOTARY SEAL
day of20	
Signature of Notary Public	
•	
ofCounty	
State of	
My Commission Expires:	

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EXECUTION OF BID

NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN CERTIFICATION

INDIVIDUAL DOING BUSINESS IN HIS OWN NAME

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S.* § 133-24 within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

SIGNATURE OF CONTRACTOR Name of Contractor Print or type Individual name Address as Prequalified Signature of Contractor, Individually Print or type Signer's Name Signature of Witness Print or type Signer's name AFFIDAVIT MUST BE NOTARIZED Subscribed and sworn to before me this the NOTARY SEAL ____ day of _______20 . Signature of Notary Public of _____County State of

My Commission Expires:

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DEBARMENT CERTIFICATION

Conditions for certification:

- 1. The prequalified bidder shall provide immediate written notice to the Municipality if at any time the bidder learns that his certification was erroneous when he submitted his debarment certification or explanation filed with the Municipality, or has become erroneous because of changed circumstances.
- 2. The terms covered transaction, debarred, suspended, ineligible, lower tier covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded, as used in this provision, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. A copy of the Federal Rules requiring this certification and detailing the definitions and coverages may be obtained from the Municipality project representative.
- 3. The prequalified bidder agrees by submitting this form, that he will not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in Municipal contracts, unless authorized by the Municipality.
- 4. For Federal Aid projects, the prequalified bidder further agrees that by submitting this form he will include the Federal-Aid Provision titled *Required Contract Provisions Federal-Aid Construction Contract (Form FHWA PR* 1273) provided by the Municipality, without subsequent modification, in all lower tier covered transactions.
- 5. The prequalified bidder may rely upon a certification of a participant in a lower tier covered transaction that he is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless he knows that the certification is erroneous. The bidder may decide the method and frequency by which he will determine the eligibility of his subcontractors.
- 6. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this provision. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 7. Except as authorized in paragraph 6 herein, the Municipality may terminate any contract if the bidder knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available by the Federal Government.

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DEBARMENT CERTIFICATION

The prequalified bidder certifies to the best of his knowledge and belief, that he and his principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph b. of this certification; and
- d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- e. Will submit a revised Debarment Certification immediately if his status changes and will show in his bid proposal an explanation for the change in status.

If the prequalified bidder cannot certify that he is not debarred, he shall provide an explanation with this submittal. An explanation will not necessarily result in denial of participation in a contract.

Failure to submit a non-collusion affidavit and debarment certification will result in the prequalified bidder's bid being considered non-responsive.

North Carolina Department of Transportation BID FORM

WBS ELEMENT: 34608.2.3 ROUTE: Various

COUNTIES: Beaufort, Carteret, Craven, Greene, Jones, Lenoir, Pamlico, Pitt

DESCRIPTION: Division-wide Installation of Permanent Raised Pavement Markers and

Snowplowable Pavement Markers

BID OPENING: October 25, 2011 @ 11:00 AM

ITEM	SECT	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
1	1251	PERMANENT RAISED PAVEMENT MARKERS	100,000	EA		
2	1253	SNOWPLOWABLE PAVEMENT MARKERS	10,000	EA		
TOT	TAL I	BID FOR PROJECT				
CONTR	ACTOR _					
ADDRE	SS					
Federal I	dentificati	ion Number Co	ontractors Lice	nse Numbe	r	
Authoriz	ed Agent		Title			
Signature	e			Da	nte	
Witness			Title			
Signature	e			Da	nte	
	d has be	CCTION TO BE COMPLETED BY NO en reviewed in accordance with Auctures 2006.				
Review	ed by No	CDOTContract Of			Date	
		Contract Of	jicer			
Accepte	ed by NC	CDOT			_ Date	

Division Engineer

OVING OPERATION CARAVAN (OPERATIONS TRAVELING OR MARKERS ON TWO-LANE TWO-WAY ROADWAYS

MARKERS ON TWO-LANE TWO-WAY ROADWAYS MOVING

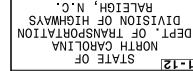
CLOSURES **JNAJ YAAAO9M**T

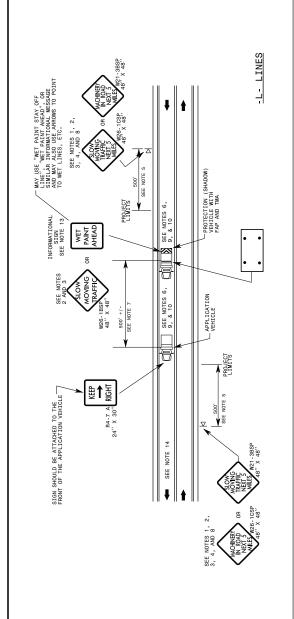
DNIWARG ENGLISH STANDARD

AND/0R

MACHINE

BE ILLUMINATED WITH





500'+/-SEE NOTE 5

500'+/ SEE NOTE 5

모

NOTES GENERAL

STANDARD DRAWING 10- USE OF A LIGHT SYSTEM ON ALL VEHICLES IS REQUIRED (REFER TO ROADWAY 1165.01, SHEET 1 OF 1).

. ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS PAVEMENT MARKING AND MARKERS. 11- IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST TOWER LIGHTS AS APPROVED BY THE ENGINEER. 1213- INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.

14- IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

TO IMPROVE

APPLICATION VEHICLE WITH LIGHT BAB MOUNTED ATTENUATOR (TMA)
AND LIGHT BAR (SEE ROADWAY
STAUDARD NO. 1166-01). TMA MUST
BE NOHRP-350 TEST LEVEL 3 (60+MPH) PORTABLE SIGN. SIGNS MUST BE PROTECTION VEHICLE WITH TRUCK NCHRP-350 AND NCDOT APPROVED. DIRECTION OF TRAFFIC FLOW LEGEND 모

APPROVED. FLASHING ARROW BOARD, TYPE "C" (96"X48" MIN.), "CAUTION MODE"

NEXT WHOLE ROUND UP MILEAGE TO (5) MILES IN LENGTH. WORK ZONE SHOULD NOT EXCEED FIVE MILE. .

9- RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED

1101.02

ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.

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TEMPORARY LANE CLOSURES

IG OPERATION CARAVAN (OPERATIONS TRAVELING
PH OR FASTER) PLACING PAVEMENT MARKING OR
MARKERS ON TWO-LANE TWO-WAY ROADWAYS

ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMA. SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW BOARD AND/OR LIGHTBAR. GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS) GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS) (MUST CIRCLE TO PICK UP SIGNS) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII OR HIGHER SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER. SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS: TRUCK MOUNTED SIGNS TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS) SIGHT DISTANCES, < 8 0 0 9 ENGLISH STANDARD DRAWING

MAIN ROADWAY WORK ZONE -Y- LINES

1-12 STATE OF NORTH CAROLINA . OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

Y LINE

TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS) AND LIGHT BAR.

ADVANCE WARNING VEHICLE WITH

FLASHING ARROW BOARD, TYPE "C" (96"X48" MIN.), APPROPRIATE DIRECTION INDICATED

CHANGEABLE MESSAGE SIGN

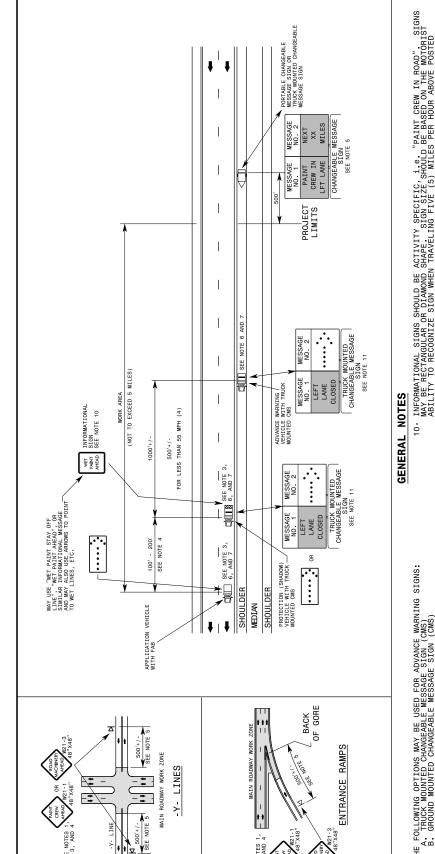
 \Box

MOVING OPERATION CARAVAN (OPERATIONS TRAVELING 3 MPH OR FASTER) PLACING PAVEMENT MARKING OR MARKERS ON MULTILANE DIVIDED ROADWAYS < 55 MPH

CLOSURES $\exists \mathsf{NAJ}$ **YAAAO9M**T

ENGLISH STANDARD DRAWING FOR

RALEIGH, N.C. NORTH CAROLINA
DEPT. OF TRANSPORTATION
SYAWBIN OF HIGHWAYS **3TATE** 1-15



SEE NOTES 1, 2, 3, AND 4

1-12

STATE OF

DIVISION OF HIGHWAYS RALEIGH, N.C.

NORTH CAROLINA OF TRANSPORTATION

PAINT CREW AHEAD

10- INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES PER HOUR ABOVE POSTED SPEED LIMIT.

THE MINIMUM DIMENSIONS OF TRUCK MOUNTED CHANGEABLE MESSAGE SIGNS USED SHALL BELESS THAN 4' \times 8'. -

9

APPLICATION VEHICLE WITH LIGHT BAB PROTECTION VEHICLE WITH TRUCK DIRECTION OF TRAFFIC FLOW MOUNTED ATTENUATOR (TMA) LEGEND PORTABLE SIGN AND LIGHT BAR

> ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMMODATE SIGHT DISTANCE NEEDS. WORK ZONE SHOULD NOT EXCED FIVE (5) MILES IN LENGTH, ROUND UP MILEAGE TO NEXT WHOLE MILE, RELOCATE CHANGEABLE MESSAGE SIGN SUCH THAT WORK AREA DOES NOT EXCEED 5 MILES FROM BEGIN PROJECT LIMITS MESSAGE. 5

ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TAMÁS ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISYS SEE IN THE TRAVEL LANE SHALL HAVE A TMA. SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF FIVE (5) FEET FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW BOARD AND/OR LIGHT BAR.

RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED. 9

USE OF A LIGHT SYSTEM ON ALL VEHICLES IS REQUIRED (REFER TO ROADWAY STANDARD DRAWING 1165.01, SHEET 1 OF 1). 7

IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVÉD BY THE ENGINEER. PΑΥ ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAVEMENT MARKING AND MARKERS. ÷ 6

FOR

ITEMS

4 'n ÷ ENGLISH DRAWING FOR STANDARD

TEMPORARY LANE CLOSURES
OPERATION CARAVAN (OPERATIONS TRAVELING
OR FASTER) PLACING PAVEMENT MARKING OR MOVING 3 MPH MARKERS ON MULTIĹANE DIVIDED ROADWAYS < 55 MPH

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15 1101.02

SYAWDAOA MARKERS ON MÜLTILANE 09 < MOVING OPERATION CARAVAN (OPERATIONS SAUVING OPERATION CARAVAN (OPERATIONS SAUVING OPERATIONS SAVAMONO TRAVELING MARKING CLOSURES

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APPLICATION VEHICLE WITH LIGHT BAR

DIRECTION OF TRAFFIC FLOW

PORTABLE SIGN

LEGEND

PROTECTION VEHICLE WITH TRUCK

MOUNTED ATTENUATOR (TMA)

AND LIGHT BAR

TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS) AND LIGHT BAR.

ADVANCE WARNING VEHICLE WITH

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FLASHING ARROW BOARD, TYPE '(96"X48" MIN.), APPROPRIATE DIRECTION INDICATED

CHANGEABLE MESSAGE SIGN

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12- THE MINIMUM DIMENSIONS OF TRUCK MOUNTED CHANGEABLE MESSAGE SIGNS USED SHALL BE NO LESS THAN 4' x 8'.

11. THE CARAVAN IS TO MOVE AT 3 MPH OR GREATER TO OBTAIN THE DESIRED LEVEL OF SAFETY FOR THE MOVING OPERATION. IF AT ANYTIME AN VEHICLE STOPS DURING THE OPERATION, I REMAINDER OF THE CARAVAN SHALL CONTINUE MOVING AND THE APPLICATION VEHICLE SHALL RESUME WORK OPERATIONS WITHIN 60 SECONDS. OTHERWISE, ALL VEHICLES ARE TO BE REMOVED FROM THE TRAVEL LANE AND THE OPERATION RESET.

10- INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABLITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES PER HOUR ABOVE POSTED SPEED LIMIT.

NORTH CAROLINA
DEPT. OF TRANSPORTATION
SYAWHEIN OF HIGHWAYS STANDARD DRAWING FOR ENGLISH 1-15

3TATE OF GORE BACK ENTRANCE RAMPS ŧ

SEE NOTE

(NOT TO EXCEED 5 MILES)

SEE NOTE 7 1000/ +/-

SEE NOTE 7

1000

- 200' SEE NOTE 7

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APPLICATION VEHICLE WITH FAB

WORK AREA

INFORMATIONAL SIGN SEE NOTE 10

WET PAINT AHEAD

MAY USE "WET PAINT STAY OFF
LINE", "WET PAINT AHEAD", OR
SMILLAR INFORMATIONAL MESSAGE
AND MAY ALSO USE ARROWS TO POIL
TO WET LINES, ETC.

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RALEIGH,

PORTABLE CHANGEABLE MESSAGE SIGN OR TRUCK MOUNTED CHANGEABLE MESSAGE SIGN

SEE NOTE 6 AND

COLL SEE NOTE 3,

SEE NOTE 3,

SEE NOTE 3,

1-12

SHOULDER SHOULDER MEDIAN

OPTI

NEXT XX MILES MESSAGE PAINT CREW IN LFT LANE

1/2 MILE +/-SEE NOTE 2

CHANGEABLE MESS SIGN SEE NOTE 5

PROJECT LIMITS

:

CLOSED LEFT

TRUCK MOUNTED CHANGEABLE MESSAGE

SIGN SEE NOTE 12

:

OH

PROTECTION (SHADOW)
VEHICLE WITH TRUCK MOUNTED CMS ••••

CLOSED LEFT

MESSAGE NO 1

ADVANCE WARNING / VEHICLE WITH TRUCK MOUNTED CMS

GENERAL TRUCK MOUNTED
CHANGEABLE MESSAGE
SIGN
SEE NOTE 12

NOTES

SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF FIVE (5) FEET FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW BOARD AND/OR LIGHTBAR. SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES CMS

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ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS. 4

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RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED, -9

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ITEMS PΑΥ 뿚 2 ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL PAVEMENT MARKING AND MARKERS. 6 1101.02

FOR

'n ENGLISH **STANDARD** DRAWING FOR

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TEMPORARY LANE CLOSURES

MOVING OPERATION CARAVAN (OPERATIONS TRAVELI
3 MPH OR FASTER) PLACING PAVEMENT MARKING OR MARKERS ON MÚLTILANE ROADWAYS 60 MPH

STATE OF 1-12
NORTH CAROLINA
EPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

RALEIGH, N.C.

TRAVELING